

AMENDMENTS

In response to the Office Action mailed on June 7, 2004, the Applicants submit the following amendments to the claims:

1. (Currently amended) An apparatus for controlling a transmission power of a base transceiver station (BTS) in a CDMA mobile communication system, comprising:

a central processing unit (CPU) for receiving a command ~~from an operation~~ to perform a power control operation and for generating a power control signal in response to the establishment and removal of a repeater according to the command;

a gain controller for outputting a gain signal according to the CPU control signal; and

a gain variable amplifier for regulating the entire transmission power of the BTS by varying according to the gain signal of the gain controller.

2. (Original) The apparatus as recited in claim 1, wherein the gain variable amplifier varies its gain to 0dB, according to the gain signal.

3. (Original) The apparatus as recited in claim 1, wherein the gain variable amplifier includes:

a gain regulator for varying gain according to the gain control signal outputted from the gain controller; and

an amplifier for amplifying the transmission power according to the gain outputted from the gain regulator.

4. (Currently amended) A method for controlling a transmission power control of a base transceiver station (BTS) in a CDMA mobile communication system, comprising the steps of:

- a. Regulating a transmission power of a base transceiver station (BTS) to 0dB;
 - b. at the BTS, checking whether a power control request of an operator was received,
and if so or not;
 - c. at the BTS, determining whether the power control request received from the
operation is a first power control or a second power control; and
 - d. at the BTS, re-regulating the transmission power of the BTS by varying a gain of an
amplifier according to the determining result.
5. (Original) The method as recited in claim 4, wherein a gain of the first power control is 0dB
and a gain of the second power control is 3dB.
6. (new) The apparatus of claim 1 wherein the CPU receives said command from an operator
via an interprocessor communication.
7. (new) The apparatus of claim 1 wherein the gain variable amplifier is a component of a
baseband to intermediate frequency conversion block.
8. (new) A method for controlling a transmission power control of a base transceiver station
(BTS) in a CDMA mobile communication system, comprising the steps of:
- configuring a BTS to use a repeater, thereby decreasing a transmit signal power by
approximately 3dB;
- re-regulating the BTS transmit power by configuring a variable amplifier to increase the gain
by approximately 3dB; and
- wherein the re-regulating step is performed to minimize a service interrupt period.

9. (new) The method of claim 8 wherein the decrease in the transmit signal power is due to the use of a two-way filter.
10. (new) The method of claim 8 wherein the step of re-regulating the BTS transmit power is performed in response to an operator command.
11. (new) The method of claim 8 wherein the variable amplifier includes a gain regulator.
12. (new) The method of claim 8 wherein the variable amplifier is configured using a gain controller.
13. (new) A method for controlling a transmission power control of a base transceiver station (BTS) in a CDMA mobile communication system, comprising the steps of:
 - configuring a BTS to remove an established repeater, thereby increasing a transmit signal power by approximately 3dB;
 - re-regulating the BTS transmit power by configuring a variable amplifier to decrease the gain by approximately 3dB; and
 - wherein the re-regulating step is performed to minimize a service interrupt period.
14. (new) The method of claim 13 wherein the increase in the transmit signal power is due to the removal of a two-way filter.
15. (new) The method of claim 13 wherein the step of re-regulating the BTS transmit power is performed in response to an operator command.
16. (new) The method of claim 8 wherein the variable amplifier includes a gain regulator.

17. (new) The method of claim 8 wherein the variable amplifier is configured using a gain controller.